

[illegible]

(1)

(i)

(ii

(iii)

(iv)

(A)

(B)

(C)

(D)

(E)

(F)

(v)

(A)

(B)

(C)

(D)

(vi)

(A)

(B)

(C)

(vii)

(A)

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Olstein, Elliot M.

(B) REGISTRATION NUMBER: 24,025

(C) REFERENCE/DOCKET NUMBER: 271010-364

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 201-994-1700

(B) TELEFAX: 201-994-1744

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 229 amino acids

(B) TYPE: amino acids

(C) **STRANDEDNESS:**

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: polypeptide

(ix) FEATURE:

(A) NAME/KEY: Receptor binding region of ecotropic gp70 protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ala Ser Pro Gly Ser Ser Pro

5

His Gln Val Tyr Asn Ile Thr Trp Glu Val

10

15

Thr Asn Gly Asp Arg Glu Thr Val Trp Ala

20

25

Thr Ser Gly Asn His Pro Leu Trp Thr Trp

30

35

Trp Pro Asp Leu Thr Pro Asp Leu Cys Met

40

45

Leu Ala His His Gly Pro Ser Tyr Trp Gly

50

55

Leu Glu Tyr Gln Ser Pro Phe Ser Ser Pro

Pro Gly	Pro	Pro	Cys	Cys	Ser	Gly	Gly	Ser	65
70									75
Ser	Pro	Gly	Cys	Ser	Arg	Asp	Cys	Glu	Glu
80									85
Pro	Leu	Thr	Ser	Leu	Thr	Pro	Arg	Cys	Asn
90									95
Thr	Ala	Trp	Asn	Arg	Leu	Lys	Leu	Asp	Gln
100									105
Thr	Thr	His	Lys	Ser	Asn	Glu	Gly	Phe	Tyr
110									115
Val	Cys	Pro	Gly	Pro	His	Arg	Pro	Arg	Glu
120									125
Ser	Lys	Ser	Cys	Gly	Gly	Pro	Asp	Ser	Phe
130									135
Tyr	Cys	Ala	Tyr	Trp	Gly	Cys	Glu	Thr	Thr
140									145
Gly	Arg	Ala	Tyr	Trp	Lys	Pro	Ser	Ser	Ser
150									155
Trp	Asp	Phe	Ile	Thr	Val	Asn	Asn	Asn	Leu
160									165
Thr	Ser	Asp	Gln	Ala	Val	Gln	Val	Cys	Lys
170									175
Asp	Asn	Lys	Trp	Cys	Asn	Pro	Leu	Val	Ile
180									185
Arg	Phe	Thr	Asp	Ala	Gly	Arg	Arg	Val	Thr
190									195
Ser	Trp	Thr	Thr	Gly	His	Tyr	Trp	Gly	Leu
200									205
Arg	Leu	Tyr	Val	Ser	Gly	Gln	Asp	Pro	Gly
210									215
Leu	Thr	Phe	Gly	Ile	Arg	Leu	Arg	Tyr	Gln
220									225
Asn	Leu								

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 687 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: polynucleotide

(ix) FEATURE:

- (A) NAME/KEY: polynucleotide encoding receptor binding region of ecotropic gp70 protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

GCTTCGCCCC GCTCCAGTCC TCATCAAGTC TATAATATCA CCTGGGAGGT AACCAATGGA 60
GATCGGGAGA CGGTATGGGC AACTTCTGGC AACCACCCTC TGTGGACCTG GTGGCCTGAC 120
CTTACCCAG ATTTATGTAT GTTAGCCAC CATGGACCAT CTTATTGGGG GCTAGAATAT 180
CAATCCCCTT TTTCTTCTCC CCCGGGGCCC CCTTGTTGCT CAGGGGGCAG CAGCCCAGGC 240
TGTTCCAGAG ACTGCGAAGA ACCTTTAACC TCCTCACCC CTCGGTGCAA CACTGCCTGG 300
AACAGACTCA AGCTAGACCA GACAACTCAT AAATCAAATG AGGGATTTTA TGTTTGCCCC 360
GGGCCCCACC GCCCCGAGA ATCCAAGTCA TGTGGGGGTC CAGACTCCTT CACTGTGCC 420
TATTGGGGCT GTGAGACAAC CGGTAGAGCT TACTGGAAGC CCTCCTCATC ATGGGATTTC 480
ATCACAGTAA ACAACAATCT CACCTCTGAC CAGGCTGTCC AGGTATGCAA AGATAATAAG 540
TGGTGCAACC CCTTAGTTAT TCGGTTTACA GACGCCGGA GACGGGTAC TTCCTGGACC 600
ACAGGACATT ACTGGGGCTT ACGTTTGTAT GTCTCCGAC AAGATCCAGG GCTTACATTT 660
GGGATCCGAC TCAGATACCA AAATCTA 687

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: polypeptide

(ix) FEATURE:

- (A) NAME/KEY: collagen-binding domain of von Willebrand Factor

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Trp Arg Glu Pro Ser Phe Met Ala Leu Ser

5

10